

Title (en)  
SPRINKLER GUARD FOR FIRE PROTECTION SPRINKLER ASSEMBLIES

Title (de)  
SPRINKLERSCHUTZ FÜR BRANDSCHUTZSPRINKLERANORDNUNGEN

Title (fr)  
PROTECTION D'EXTINCTEUR POUR ENSEMBLES D'EXTINCTEUR DE PROTECTION CONTRE LES INCENDIES

Publication  
**EP 3873626 A4 20220727 (EN)**

Application  
**EP 19879042 A 20191028**

Priority  
• US 201862751954 P 20181029  
• US 2019058309 W 20191028

Abstract (en)  
[origin: WO2020092215A1] A sprinkler guard for protection of a fire protection sprinkler to define one or more dimensional relationships between the guard and the sprinkler. The sprinkler guard includes a cage that defines an internal volume for housing operational components of the sprinkler including a fluid deflector and thermally responsive trigger. The sprinkler guard locates the deflector within the internal volume with an upper boundary of the cage spaced at a clearance distance from the fluid deflector and a lower boundary of the cage located between the deflector member and a fluid outlet of the sprinkler frame body. Affixed to the cage is a clamp assembly defining a hinged relationship for securing the sprinkler guard to the fire protection sprinkler and housing components of the sprinkler guard cage.

IPC 8 full level  
**A62C 31/02** (2006.01); **A62C 31/28** (2006.01); **A62C 37/08** (2006.01)

CPC (source: EP US)  
**A62C 31/02** (2013.01 - US); **A62C 31/28** (2013.01 - EP US); **B05B 15/14** (2018.02 - US); **B05B 15/16** (2018.02 - US); **A62C 37/08** (2013.01 - EP)

Citation (search report)  
• [XAI] KR 200454219 Y1 20110623  
• [XAI] US 1469336 A 19231002 - ROWLEY ARTHUR C  
• [IA] KR 101709996 B1 20170224 - HANGILENG [KR]  
• See also references of WO 2020092215A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2020092215 A1 20200507**; CN 217661206 U 20221028; EP 3873626 A1 20210908; EP 3873626 A4 20220727; US 11260415 B2 20220301; US 11980904 B2 20240514; US 2021129168 A1 20210506; US 2022219185 A1 20220714

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**US 2019058309 W 20191028**; CN 201990001133 U 20191028; EP 19879042 A 20191028; US 201916639306 A 20191028; US 202217580761 A 20220121